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(54) Title: INJECTION MOLDING APPARATUS AND METHOD FOR THE USE OF SUCH AN INJECTION MOLDING APPARATUS

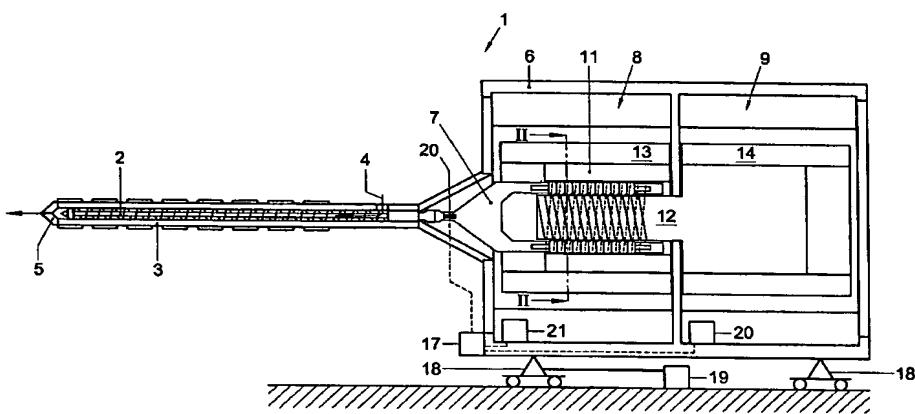
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(57) Abstract: An injection molding apparatus (1) provided with a central control and with a screw (2) which extends in a cylinder (3), which cylinder is provided with a filing opening (4) and with a nozzle (5), the screw being drivingly connected with two controllable electric motors (8, 9) such that a movement in rotational and/or axial sense can be imposed on the screw, the driving connection comprising a number of cylindrical planetary rollers (10) accommodated for rotation in a planetary cage (7) such that the planetary rollers can be engaged from a space located radially outside the planetary cage and a space located radially within the planetary cage, the planetary cage being connected to the screw in a manner secured against rotation, while a first drive part (11) connected with a rotor (13) of the first electric motor (8), is provided with a first engaging surface facing radially inward which engages the planetary rollers from the space located radially outside the planetary cage, while a second drive part (12), connected with a rotor (14) of the second electric motor (9) is provided with a second engaging surface facing outwards which engages the planetary rollers from a space located radially within the planetary cage.